

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A current source circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside,

wherein a changing over means which can change over an electrical connection between an output line and the plurality of current sources is provided between the output line and the plurality of current sources.

2. (Original) A current source circuit characterized in by comprising a plurality of pairs of current sources which can control an output current value by a set signal inputted from outside,

wherein a changing over means which can change over an electrical connection between an output line and a plurality of current sources is provided between the output line and the plurality of pairs of current sources.

3. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a shift resistor, a first latch circuit, and a second latch circuit,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources, and

wherein the set signal is set according to the shift register.

4. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a shift resistor, a first latch circuit, a second latch circuit, and switches provided in the plurality of current sources,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources,

wherein the set signal is set according to the shift register, and
the switches are controlled by a signal from the second latch circuit.

5. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a shift resistor, a first latch circuit, a second latch circuit, and switches provided in the plurality of current sources,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources, and

wherein the set signal is set according to the second latch circuit.

6. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a shift resistor, a first latch circuit, a second latch circuit, and switches provided in the plurality of current sources,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources,

wherein the set signal is set according to the second latch circuit, and
wherein the switches are controlled by a signal from the second latch circuit.

7. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a first shift register, a second shift register, a first latch circuit, and a second latch circuit,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources, and

wherein the set signal is set according to the first shift register.

8. (Original) A signal line driver circuit characterized in by comprising a plurality of current sources which can control an output current value by a set signal inputted from outside, a first shift register, a second shift register, a first latch circuit, a second latch circuit, and switches provided in the plurality of current sources,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of current sources is provided between the signal line and the plurality of current sources,

wherein the set signal is set according to the first shift register, and

wherein the switches are controlled by a signal from the second latch circuit.

9. (Original) A signal line driver circuit characterized in by comprising a plurality of first and second current sources which can control an output current value by a set signal inputted from outside, a shift register, a first latch circuit comprising the first current source, and a second latch circuit comprising the second current source,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of first and second current sources is provided between the signal line and the plurality of first and second current sources,

wherein a set signal inputted to the first current source is set according to from the shift register, and

wherein a set signal inputted to the second current source is set according to a current set in the first current source.

10. (Original) A signal line driver circuit characterized in by comprising a plurality of first and second current sources which can control an output current value by a set signal inputted from outside, a shift register, a first latch circuit comprising the first current source, a second latch circuit comprising the second current source, a first switch provided between the first latch circuit, and the second latch circuit and a second switch provided between the second latch circuit and the changing over means,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of first and second current sources is provided between the signal line and the plurality of first and second current sources,

wherein a set signal inputted to the first current source is set according to from the shift register,

wherein a set signal inputted to the second current source is set according to a current set in the first current source, and

wherein the first and the second switches are controlled by a signal from the second latch circuit.

11. (Original) A signal line driver circuit characterized in by comprising a plurality of pairs of current sources which can control an output current value by a set signal inputted from outside, a shift register, and a latch circuit comprising the pair of current sources,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of pairs of current sources is provided between the signal line and the plurality of pairs of current sources, and

wherein a set signal inputted to the pair of current sources is set according to from the shift register.

12. (Original) A signal line driver circuit characterized in by comprising a plurality of pairs of current sources which can control an output current value by a set signal inputted from outside, a shift register, a latch circuit comprising the pair of current sources and first and second switches,

wherein a changing over means which can change over an electrical connection between a signal line and the plurality of pairs of current sources is provided between the signal line and the plurality of pairs of current sources,

wherein a set signal inputted to the pair of current sources is set according to from the shift register, and

the first and second switches are controlled by a latch pulse.

13. (Currently Amended) The signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

14. (Currently Amended) The signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3 characterized in that the changing over means comprises three analog switches for each of the signal line, and

that the each of the three analog switches ~~[[are]]~~ is connected to the different current sources.

15. (Currently Amended) The signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

16. (Currently Amended) A light emitting device characterized in by comprising the signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3.

17. (Currently Amended) A light emitting device characterized in by comprising two of the signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3 and a pixel portion, wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

18. (Currently Amended) A light emitting device characterized in by comprising the signal line driver circuit according to ~~any one of claims 3 to 12~~ claim 3 and a pixel portion, wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix, wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

19. (Original) A driving method of a signal line driver circuit characterized in by comprising a current source circuit comprising a plurality of current sources, a means for setting a current of the plurality of current sources, a plurality of signal lines through which the set current flows, and a changing over means provided between the signal line and the current source, wherein the changing over means changes over a connection of the signal line and the current source circuit in each certain period.

20. (Original) The driving method of a signal line driver circuit according to Claim 19 characterized in that the certain period is provided in a unit of frame period corresponding to a synchronized timing of a video signal inputted to the signal line.

21. (Original) The driving method of a signal line driver circuit according to Claim 19 characterized in that a unit of frame period corresponding to a synchronized timing of a video signal inputted to the signal line comprises a write period, and
wherein the certain period is provided so as not to overlap the write period.

22. (Original) The driving method of a signal line driver circuit according to Claim 19 characterized in that a unit of frame period corresponding to a synchronized timing of a video signal inputted to the signal line comprises m (m is a natural number of 2 or more) subframe periods SF1, SF2, . . . , SF m , and that the certain period is provided in the subframe period.

23. (Original) The driving method of a signal line driver circuit according to claim 19 characterized in that a unit of frame period corresponding to a synchronized timing of a video signal inputted to the signal line comprises m (m is a natural number of 2 or more) subframe periods SF1, SF2, . . . , SF m , and the subframe periods SF1, SF2, . . . , SF m each comprises write periods T_{a1} , T_{a2} , . . . , T_{am} and display periods T_{s1} , T_{s2} , . . . , T_{sm} , and that the certain period is provided in the subframe period.

24. (Original) The driving method of a signal line driver circuit according to claim 19 characterized in that a period for performing a set operation by a means for setting a current of the plurality of current sources is provided in the certain period.

25. (Original) The driving method of a signal line driver circuit according to claim 24 characterized in that an operation to change over an electrical connection between the signal line and the current source and the set operation are not overlapped with each other in the certain period.

26. (Original) The driving method of a signal line driver circuit according to claim 25 characterized in that the operation to change over an electrical connection between the signal line and the current source is provided after the set operation in the certain period.

27. (New) The signal line driver circuit according to claim 4 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

28. (New) The signal line driver circuit according to claim 5 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

29. (New) The signal line driver circuit according to claim 6 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

30. (New) The signal line driver circuit according to claim 7 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

31. (New) The signal line driver circuit according to claim 8 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

32. (New) The signal line driver circuit according to claim 9 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

33. (New) The signal line driver circuit according to claim 10 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

34. (New) The signal line driver circuit according to claim 11 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

35. (New) The signal line driver circuit according to claim 12 characterized in that the changing over means comprises a plurality of analog switches, and that the current source is connected to the signal line through the analog switch.

36. (New) The signal line driver circuit according to claim 4 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

37. (New) The signal line driver circuit according to claim 5 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

38. (New) The signal line driver circuit according to claim 6 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

39. (New) The signal line driver circuit according to claim 7 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

40. (New) The signal line driver circuit according to claim 8 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

41. (New) The signal line driver circuit according to claim 9 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

42. (New) The signal line driver circuit according to claim 10 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

43. (New) The signal line driver circuit according to claim 11 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

44. (New) The signal line driver circuit according to claim 12 characterized in that the changing over means comprises three analog switches for each of the signal line, and that the each of the three analog switches is connected to the different current sources.

45. (New) The signal line driver circuit according to claim 4 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

46. (New) The signal line driver circuit according to claim 5 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

47. (New) The signal line driver circuit according to claim 6 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

48. (New) The signal line driver circuit according to claim 7 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

49. (New) The signal line driver circuit according to claim 8 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

50. (New) The signal line driver circuit according to claim 9 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

51. (New) The signal line driver circuit according to claim 10 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

52. (New) The signal line driver circuit according to claim 11 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

53. (New) The signal line driver circuit according to claim 12 characterized in that the changing over means comprises a group of analog switches formed by a plurality of analog switches and a group of current source circuit formed by a plurality of the current sources.

54. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 4.

55. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 5.

56. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 6.

57. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 7.

58. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 8.

59. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 9.

60. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 10.

61. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 11.

62. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 12.

63. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 4 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

64. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 5 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

65. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 6 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

66. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 7 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

67. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 8 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

68. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 9 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

69. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 10 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

70. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 11 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

71. (New) A light emitting device characterized in by comprising two of the signal line driver circuit according to claim 12 and a pixel portion,

wherein the two signal line driver circuits have a function to input a difference of currents supplied from current sources of each to the pixel portion.

72. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 4 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

73. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 5 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

74. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 6 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

75. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 7 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

76. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 9 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

77. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 10 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

78. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 11 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

79. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 11 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

80. (New) A light emitting device characterized in by comprising the signal line driver circuit according to claim 12 and a pixel portion,

wherein in the pixel portion, the signal line and a plurality of scan lines are aligned in matrix,

wherein a light emitting element is disposed at an intersection of the signal line and the scan line, and

wherein a transistor for switching which controls a current from the signal line and a transistor for controlling current which controls a current to be supplied to the light emitting element are provided.

Applicant : Hajime Kimura et al.
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Amendments to the Drawings:

Please substitute the attached drawings in English for the drawings submitted with the application.